

FIRSTLIGHT

TECHNOLOGIES



WLB Series Solar Powered LED Bollard

Project: _____

Type: _____

Quantity: _____

Visit us at www.solarbollards.com!!!



The WLB series solar powered LED bollard is well suited for low level architectural, commercial way-finding, and landscape lighting applications. The self-contained, simple, louvered design combined with high quality construction and unequalled solar powered performance make the WLB series an excellent choice.

Utilizing solar power and LED lighting the WLB bollards are fully self contained and offer significant benefits over typical wired bollards:

- Low installed cost and minimal site impact with no trenching, cabling or wiring
- Minimal ongoing costs with no electrical bills or bulbs to change
- Immune from power outages
- Provide a visibly green statement without recurring carbon emissions

All of our solar powered lights are enabled by our innovative Solar Lighting Controller (SLC). The SLC in each light is “self-learning” and allows the lights to predictively adapt to their surroundings, providing a level of lighting performance and reliability unavailable in other solar lighting products.

TECHNICAL SPECIFICATIONS

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| Solar Module: | <ul style="list-style-type: none">▪ High impact, UV resistant encapsulation▪ High efficiency mono-crystalline cells▪ Fully integrated into bollard housing▪ Used for day/night detection (no photocell required) |
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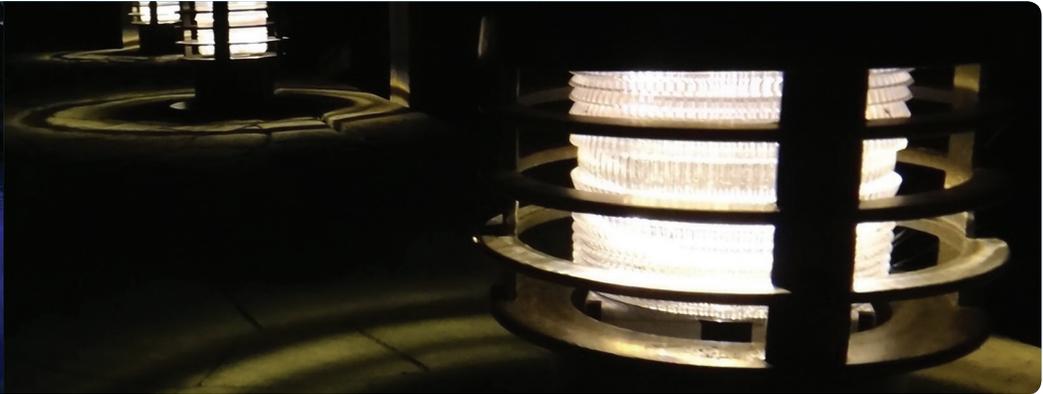
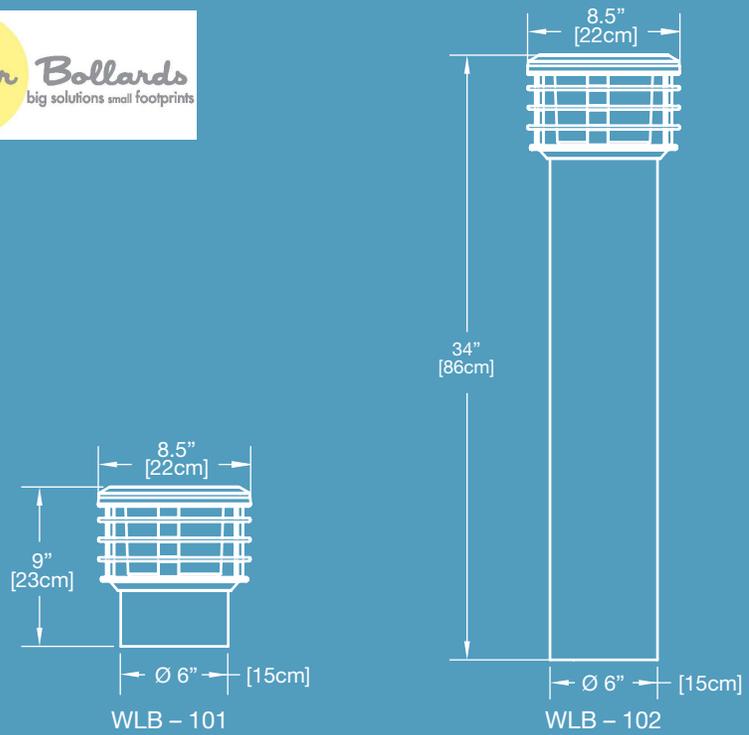
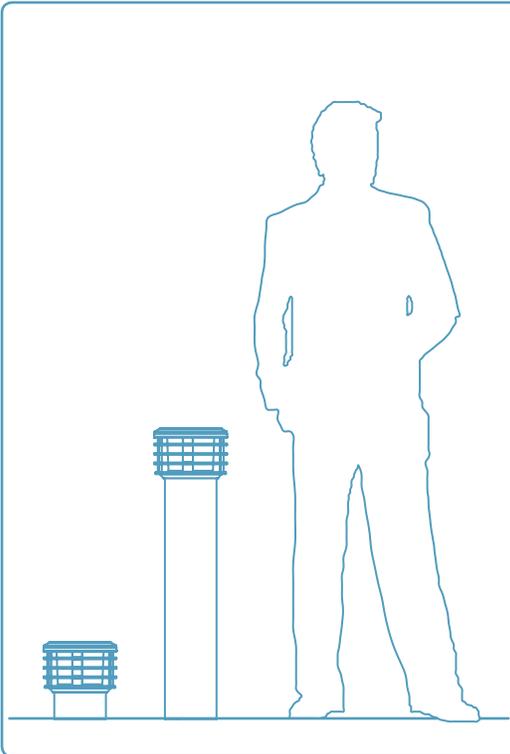
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| Solar Lighting Controller (SLC): | <ul style="list-style-type: none">▪ High efficiency Maximum Power Point Tracking (MPPT) charge controller▪ Microcontroller based system▪ Includes high efficiency LED driver▪ Integrated into bollard housing▪ Automatically manages lighting performance based on environmental conditions and lighting requirements▪ Patent pending |
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| Battery: | <ul style="list-style-type: none">▪ High performance Lithium (LiFePO₄)▪ Exceptional 8 – 10 year life cycle▪ High temperature tolerance▪ Contained within bollard post▪ Designed for easy battery changes when required |
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| LEDs and Optics: | <ul style="list-style-type: none">▪ High output Cree LEDs▪ 50,000 hour L70 lifetime▪ Warm (3000K) and neutral (4500K) white color temperatures available▪ Omni-directional light output with Fresnel lens▪ Typical lumen output of 50 lumens |
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| Mechanical Construction: | <ul style="list-style-type: none">▪ Cast, low copper aluminum housing▪ Extruded, low copper aluminum post▪ Stainless fasteners▪ Architectural grade, super durable, TGIC powder coat |
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| Factory Set Lighting Profiles: | <ul style="list-style-type: none">▪ On at dusk, off at dawn▪ On at dusk, turn off after 6 hours▪ On at dusk, dim to 30% after 6 hours▪ On at dusk, off after 5 hours, on 1 hour before dawn▪ On at dusk, dim to 30% after 5 hours, on for 1 hour before dawn |
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If you have any questions, please don't hesitate to call us toll free at 1.855.533.3968.

ORDER MATRIX

Series	Height	Finish	Distribution	LED Color	Lighting Profile	Options
WLB	101 - 9"	BK - Black	SYM - Symmetrical	WW - 3000K	00 - Dusk till dawn	WOB - Ship Without Battery
		BZ - Bronze		NW - 4500K	01 - Dark +6 hours then off	SEC - Security Fasteners
	SV - Silver	02 - Dark +6 hours then 30%		PA - Pre-Ship Anchor Bolts		
	WH - White	03 - Dark +5 hours, off, Dawn -1 hour				
	CC - Custom	04 - Dark +5 hours, 30%, Dawn -1 hour (DEFAULT)				

Notes:
- Specifications subject to change without notice

